

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/053108 A1

(51) International Patent Classification⁷: **H01R 13/24**
(21) International Application Number:
PCT/US2004/041354

(71) Applicant and
(72) Inventor: **XU, Xiang** [CN/CN]; Room 601, No. 20,
Yuesheng Apartment House, Xiaolin Road, Yushan Town,
Kunshan City, Jiangsu (CN).

(22) International Filing Date:
19 November 2004 (19.11.2004)

(74) Common Representative: **MOLEX INCORPORATED**; 2222 Wellington Court, Lisle, IL 60532 (US).

(25) Filing Language: English

(26) Publication Language: English

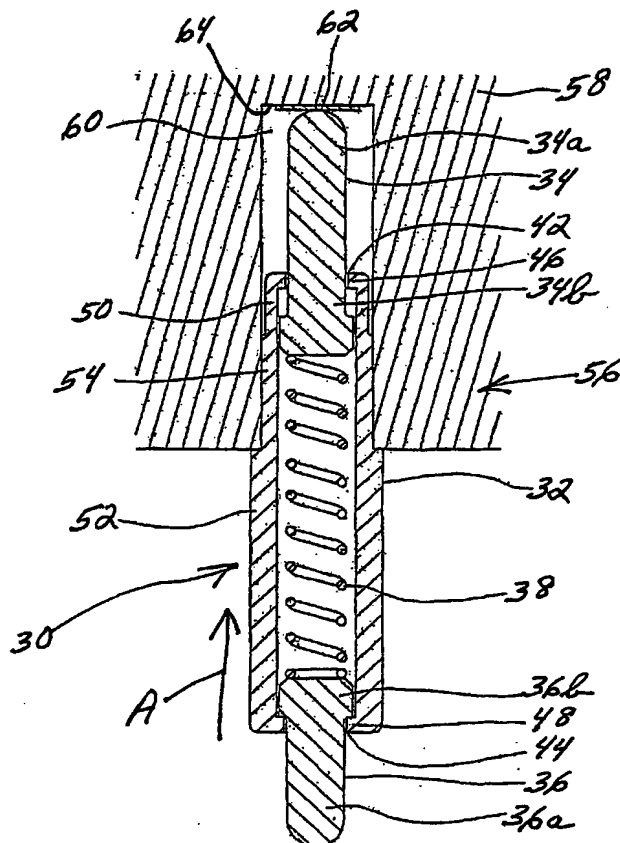
(30) Priority Data:
200320100683.5
20 November 2003 (20.11.2003) CN

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): **MOLEX INCORPORATED** [US/US]; 2222 Wellington Court, Lisle, IL 60532 (US).

[Continued on next page]

(54) Title: ELECTRICAL TERMINAL



(57) Abstract: An electrical terminal includes first and second contact members having outer pressure contacting end portions for pressure engaging a pair of spaced electrical devices. The contact members have enlarged inner end portions. A sleeve includes a through hole for slidably receiving the inner end portions of the contact members at opposite ends thereof. The through hole has opposite open ends through which the pressure contacting end portions of the contact members project. Restricted stops are formed at the open ends of the through holes for abutting the enlarged inner ends of the contact members to define outer limit positions of the pressure contacting end portions of the contact members. A biasing member is disposed in the through hole to resiliently bias the contact members in opposite directions. The invention contemplates that an outside diameter of the sleeve at a first end thereof be smaller than an outside diameter of the sleeve at a second end thereof. Thereby, the smaller diameter end is easily formed into a restricted stop, and the larger diameter end of the sleeve can be used for clamping and disassembling the terminal from an electrical device without damaging the sleeve.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.